

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

In re application of:

William J. Goetzinger et al

Date: May 8, 2002

Technology Center 2600

Group Art Unit:

2661

IBM Corporation

Examiner:

Unknown

Intellectual Property Law

Serial No.:

10/004,440

Dept. 917, Bldg. 006-1

Filed:

November 1, 2001

3605 Highway 52 North

Title:

QoS SCHEDULER AND METHOD FOR :

Rochester, MN 55901

IMPLEMENTING QUALITY OF SERVICE

WITH CACHED STATUS ARRAY

### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Assistant Commissioner for Patents Washington, D.C. 20231 Sir:

Applicants request that the information listed on the attached Form PTO/SB/08A be considered by the Office during the pendency of the above entitled application, pursuant to 37 C.F.R. §1.97. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not constitute an admission that any information cited therein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b). In the interest of full and complete disclosure to the Office, some or all of the art cited herein may not be considered by Applicant(s) or the Undersigned to be material under the new standard of materiality defined in 37 C.F.R. §1.56(b), enacted March 16, 1992, but may be material under the old standard of materiality defined in 37 C.F.R. §1.56(a), last amended on November 28, 1988, or may merely be technical background which may be of interest to the Examiner. In accordance with 37 C.F.R. §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

Serial No. 10/004,440

Docket No. ROC920010205US1

To the best knowledge of the undersigned, this Information Disclosure Statement is being filed under 37 C.F.R. §1.97(b)(3) before the mailing of a first Office action on the merits in the present application. Accordingly no filing fee is required.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on

May 8, 2002

(Date of Deposit)

Nancy J. Larson

Respectfully submitted,

WILLIAM GOETZINGER ET AL

Leslie J. Payne

Attorney Reg. No. 26,378

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PTO/SB/08A	Application Number.:	10/004,440
	Filing Date:	November 1, 2001
INFORMATION DISCLOSURE	First Named Inventor:	William Goetzinger
STATEMENT BY APPLICANT	Art Unit:	2661
	Examiner Name:	Unassigned
Sheet _ of _ G Mar 1 2 2 5	Attorney Docket Number.:	ROC920010205US1

**ÉU.S. PATENT DOCUMENTS** 

Examiner Initials*	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear
	AA	US -5249184A	09/28/1993	Karen L. Woeste et al	
	AB	US -5490141A	02/06/1996	Fuyung Lai et al	
	AC	US -5629928A	05/13/1997	Jean Calvignac et al	RECEIVED
	AD	US -5742772A	04/21/1998	Cormac J. Sreenan	" IL CEIVED
	AE	US -5831971A	11/03/1998	Flavio Bonomi et al	MAY 1 4 2007
	AF	US -5844890A	12/01/1998		
	AG	US -5850399A	12/15/1998	Mahesh Ganmukhi et al	Dechnology Center 2600
	AH	US -5926459A	07/20/1999	J. Bryan Lyles et al	
	AI	US - 5999963A	12/07/1999	John Louis Bruno et al	
	AJ	US - 6014367A	01/11/2000	Alexander Joffe	
	AK	US - 6018527A	01/25/2000	Nanying Yin et al	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.1	Foreign Patent Document  Country <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear	T <sup>6</sup>
	AL	EP0859492A2	08/19/1998	Duffield et al		X
	AM	EP0957602A2	11/17/1999	Darrin Nagy		X
	AN	EP0989770A1	03/29/2000	Chugo et al		X
	AO	EP1049352A2	11/02/2000	Goudreau et al		X
	AP	EP1061763A2	12/20/2000	Cavendish et al		X
	AQ	JP2000183886A	06/30/2000	Yamashita	Abstract Only	
	AR	JP2000295247A	10/20/2000	Goudorûu et al `	Abstract Only	
	AS	JP2001007822A	12/20/2000	Cavendish et al	Abstract Only	

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Examiner Signature		Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>&</sup>lt;sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

<b>INFORM</b>	ATION	DISCLOSURE	First Named Inventor:	William Goetzinger			
<b>STATEM</b>	ENT B	Y APPLICANT 'A	Art Unit:	2661			
^	. 1		Examiner Name:	<u>Unassigned</u>			
Sheet 2	of $\bot$	PATENT AND SCIENCE	Attorney Docket Number.:	ROC920010205US1			
			N PATENT LITERATURE	DOCUMENTS			
		Include name of the author (in	CAPITAL LETTERS), title of the ar	ticle (when appropriate),			
Examiner Initials	Cite No.1		ne, journal, serial, symposium, catalo isher, city and or country where public				
	AT	U.S. Patent Application Serial No. 10/	102,166 filed March 20, 2002, "Method and Ap	pparatus for Improving the Fairness of New			
		Attaches to a Weighted Fair Queue in a Quality of Service (QoS) Scheduler"					
	AU	Abstract of Publication entitled "Design	gn of packet-fair queuing schedulers using a RA	M-based searching engine"			
		by HJ Chao et al, IEEE Journal on Sel	ected Areas in Communications, Vol. 17, No. 6	, pp. 1105-1126, June 1999			
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Application Number.:

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10/004,440

November 1, 2001

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Date Considered

**Examiner Signature** 

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<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional).

<sup>&</sup>lt;sup>2</sup> Applicant is to place a check mark here if English language translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 3 of 4

<b>Application</b>	Number.:
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Filing Date:

First Named Inventor:

Art Unit:

Examiner Name:
Attorney Docket Number.:

10/004,440

November 1, 2001

William Goetzinger

2661 Unassigned

ROC920010205US1

## **U.S. PATENT DOCUMENTS**

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	ŀ	Document Number			Pages, Columns	
	Cite	Number - Kind Code <sup>2</sup>	Publication Date	Name of Patentee or	or Lines Where	
Examiner	No.1	(if known)	MM-DD-YYYY	Applicant of Cited  Document	Relevant Passages or Figs. Appear	
Initials*	110.	<u> </u>	WENT DE TITT	Bocament		
	BA_	US -6028842A	02/22/2000	Alan Chapman et al	RECEI	VE
	BB	US -6028843A	02/22/2000	Gary Delp et al	MAY 1 4	2002
	BC	US -6031822A	02/28/2000	Eugen Wallmeier		
	BD	US -6038217A	03/14/2000	J. Bryan Lyles	Technology Co	nter 20
	BE	US -6041059A	03/21/2000	Alexander Joffe et al		
	BF	US -6064650A	05/16/2000	Christopher Kappler et al		ļ
	BG	US -6064677A	05/16/2000	Christopher Kappler et al		
	ВН	US -6072772A	06/06/2000	Anna Charny et al		
	BI	US -6072800A	06/06/2000	Duan-Shin Lee		
	BJ	US - 6078953A	06/20/2000	Aseem Vaid et al		
	BK	US -6081507A	06/27/2000	Hung-Hsiang Chao et al		

#### FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document  Country <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear	T <sup>6</sup>
	BL	WO99/35792A1	07/15/1999	Anna Charny et al		X
	BM	WO99/53647A2	10/21/1999	Nigel T. Poole et al		X
	BN	WO99/53648A2	10/21/1999	Cary B. Robins et al		$\mathbf{x}$
	ВО	WO01/20876A1	03/22/2001	Kent D. Benson et al		х

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Examiner Signature	1	Date Considered	

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<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

PTO/SB/08A

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Filing Date:

10/004,440

November 1, 2001 William Goetzinger

First Named Inventor: Art Unit:

2661

**Examiner Name:** 

**Unassigned** 

Attorney Docket Number.:

ROC920010205US1

#### **U.S. PATENT DOCUMENTS**

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Examiner Initials*	Cite No.1	Document Number  Number - Kind Code²  (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns or Lines Where Relevant Passages or Figs. Appear
	CA	US -6092115A	07/18/2000	Abhijit Choudhury et al	
	СВ	US -6094435A	07/25/2000	Don Hoffman et al	
	CC	US - 6101193A	08/08/2000	Yoshihiro Ohba	RECEIVED
	CD	US - 6104700A	08/15/2000	Stephen Haddock et al	
	CE	US -6108307A	08/22/2000	Stephen McConnell et al	MAY 1 4 2002
	CF	US -6122673A	09/19/2000	Debashis Basak et al	Technology Center 260
	CG	US -6144669A	11/07/2000	Stephen J. Williams et al	F-
	CH	US -6157614A	12/05/2000	Eliezer Pasternak et al	
	CI	US -6157649A	12/05/2000	Kenneth Peirce et al	
<u></u>	CJ	US -6157654A	12/05/2000	Tom Davis	
	CK	US - 6169740B1	01/02/2001	Todd D. Morris et al	
	CL	US -6188698B1	02/13/2001	Claude Galand et al	
	СМ	US - 6226267B1	05/01/2001	Barry A. Spinney et al	
	CN	US - 6229812B1	05/08/2001	Bidyut Parruck et al	
	со	US - 6229813B1	05/08/2001	Steven W. Buchko et al	
	CP	US - 6236647B1	05/22/2001	Carlo Amalfitano	

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